**Course: Math 6 CCSS Standard Number(s): CC.6.EE.1 Day: 1 of 2**

**Unit # & Title: Unit 1 – Properties & Expressions Lesson: Bases & Exponents Block(s)/Period(s): 1 2 3 4 5**

|  |  |  |  |
| --- | --- | --- | --- |
| **Unit Essential Question(s):** | How are variables used in mathematics?  How can we generate equivalent expressions? | | |
| **Learning Target(s)**  **“I can statements”** | I can explain the meaning of a number raised to a power.  I can use exponents to show repeated multiplication. | | |
| **Essential Vocabulary** | base, exponent, power, squared, cubed, exponential form, expanded form | | |
| **Resources and Materials** | **Teacher** | | **Student** |
| Glencoe Course 1 Lsn 1-4  OnCore Mathematics Lsn 3-1  <http://www.math-play.com/math-jeopardy.html> (Lab) | | **Glencoe Course 1 Lsn 1-4**  **OnCore Mathematics Lsn 3-1**  **Construction paper**  **Hole punch** |
| **8 Mathematical Practices:** | | | |
| 1. Make sense of problems and persevere in solving them.  2. Reason abstractly and quantitatively.  3. Construct viable arguments and critique the reasoning of others.  X 4. Model with mathematics. | | 5. Use appropriate tools strategically.  X 6. Attend to precision.  X 7. Look for and make use of structure.  X 8. Look for and express regularity in repeated reasoning. | |
| **Activating Strategy**  **(Opening Activity)** | **Discovery-Prime factorization Mini lab page 18 in Course 1 book** | | |
| **Cognitive Teaching Strategies**  **Me/We/Few/You**  **(TIP-Teacher input**  **SAP-Student actively participates**  **GP – Guided Practice**  **IP-Independent Practice)** | **Me-Mini lab, intro vocab, bellringer p.18**  **We-Examples together-(onCore 3-1, 1 and 2)**  **Two-Spinner game (writing powers using bases and exponents, expanded form**  **You- OnCore pg 62, #1-8** | | |
| **Summarizing Strategy**  **(Closing Activity)** | **Ticket out the Door-Skills and Concepts pg 20 Course 1** | | |
| **Assessment/Homework** | **Finish page 62, #1-8** | | |
| **Extending/Refining** | **Class discussion, review concepts** | | |